



Attorney's Docket No. 0287-043001 / MGH 1286.0

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Katia Georgopoulos et al.  
Serial No. : 09/259,389  
Filed : February 26, 1999  
Title : THE HELIOS GENE

Art Unit : 1632  
Examiner : Joseph Woitach

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE

This is in response to the action dated March 29, 2000. An appropriate extension of time is being filed concurrently herewith. Please amend the application as follows:

In the Specification:

At page 56, line 30, after "Helios polypeptide." please add --As indicated in the cited text from *Current Protocols in Molecular Biology*, a hybridization solution ("hybridization solution I") can, for example, contain (for a total volume of 1 liter): 480 ml formamide; 240 ml 20x SSC; 10 ml 2 M Tris.Cl, pH 7.6; 10 ml 100x Denhardt's solution; 50 ml deionized water; 200 ml 50% dextran sulfate; and 10 ml 10% SDS. A low stringency wash buffer that can be used after hybridization in hybridization solution I can contain: 2x SSC; and 0.1% SDS. A high stringency wash buffer that could be used after hybridization in hybridization solution I can contain: 0.2x SSC; and 0.1% sodium dodecyl sulfate (SDS).

An alternative hybridization solution ("hybridization solution II") can contain: 1% crystalline bovine serum albumin (BSA) (fraction V); 1 mM EDTA; 0.5 M NaHPO<sub>4</sub>, pH 7.2; and 7% SDS. A low stringency wash buffer that can be used after hybridization in hybridization solution II can, for example, contain: 0.5% BSA (fraction V); 1 mM Na<sub>2</sub>EDTA; 40 mM NaHPO<sub>4</sub>, pH 7.2; and 5% SDS. A high stringency wash buffer that can be used after

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

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September 29, 2000  
Lisa G. Gray  
Lisa G. Gray